

FROM: Chief, TID

DATE: 30 Nov 64

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Photog: Gen.

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TID-230/64
30 November 1964

MEMORANDUM FOR: The Director, NPIC

SUBJECT: Mensuration and Color Photography

1. Because resolution is a primary factor in the precise measurement of objects imaged on photography, colored photography alone (at its present state of development) is not considered the equal of current high resolution black and white photography.

2. However, color photography as a supplement to high resolution black and white photography can be an assist in the accomplishment of measurements. Though the edge of an object imaged on color photography may not be as sharp as on the black and white photography, often the color differences between the object being measured and the background against which it is photographed will assist in defining the edge and also noting edge irregularities. There are, however, other times when the object and the background are so similar in color tone that the color film is of little assistance.

3. In subjectively reviewing the color film from recent test missions from a measurement viewpoint, it is the consensus of opinion that the narrow band printing film is preferred over the white light printing. Though not true 100 per cent of the time, in most cases the narrow band print has better color saturation that appears to improve the resolution of an object over the white light printed film.

50X1

Chief, Technical Intelligence Division

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